

Lotte Chemical Titan TITANEX® LI2516 Linear low density polyethylene resin (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Injection Molded

Material Notes:

LI2516 is a pelleted linear low density polyethylene with very narrow molecular weight distribution. Applications: House-wares, lids, closures and toys. Advantages: Excellent stress crack resistance, toughness and gloss, superior molding properties, low odor. Information provided by Titan Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANEX-LI2516-Linear-low-density-polyethylene-resin-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Base Resin Density	0.918 g/cc	0.0332 lb/in ³	ASTM D1505
ESCR 100% Igepal®	150 hour @Thickness 3.80 mm, Temperature 23.0 °C	150 hour @Thickness 0.150 in, Temperature 73.4 °F	slit; ASTM D1693
Base Resin Melt Index	25 g/10 min	25 g/10 min	I₂; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	8.83 MPa	1280 psi	ASTM D638
Tensile Strength, Yield	11.8 MPa	1710 psi	ASTM D638
Elongation at Break	>= 200 %	>= 200 %	ASTM D638
1% Secant Modulus	294.2 MPa	42670 psi	ASTM D638

Thermal Properties	Metric	English	Comments
Vicat Softening Point	85.0 °C	185 °F	resin; ASTM D1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	170 - 220 °C	338 - 428 °F	
Mold Temperature	10.0 - 40.0 °C	50.0 - 104 °F	

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